BRUHAT BENGALORU MAHANAGARA PALIKE

Name of Work : Detailed Estimate for Community Property maintenance including Parks in Ward No -11 Kuvempunagara.

H/A : P 3292 14th Finance Commission Works - Community Property maintenance (including Parks)

Job Code : 011-19-000005	*Est. Cost Rs. 5.00 Lakhs*
Job Code : 011-19-000087	*Est. Cost Rs. 7.50 Lakhs*
	Total Cost Rs.12.50 Lakhs

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	WALKING PATH PORTION								
1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1(P.265/I.37.51 PW, P & IWTD, BENGALURU CIRCLE -SR2018-19)	Cum							
	For Walking Path Portion		2	30.00	3.00	0.20	36.00		
			1	15.00	3.00	0.20	9.00		
	Basic Rate	249.00					**45.00**	263.94	**11877.00**
	Add Area Weightage 6%	14.94							
	Total	263.94							
2	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.13/I.4.3 PW, P &IWTD,BENGALURU CIRCLE - SR 2018-19)	Cum							
	For Walking Path Portion		2	30.00	3.00	0.10	18.00		
			1	15.00	3.00	0.10	4.50		
	Basic Rate	5102.00					**22.50**	5408.12	**121683.00**
	Add Area Weightage 6%	306.12							
	Total	5408.12							
3	KSRB 2.10: Providing sand cement bed with 5% cement with all leads for all materials and lift of 1.5 m. machine mixed, laid in layers of 15cms. thick and well compacted for foundation, including curing cost of materials labour and HOM complete as per specifications. specification. No. KBS(P.26/I.5.17PW,P&IWTD,BENGALURU CIRCLE -SR 2018-19)	Cum							
	For Walking Path Portion		2	30.00	3.00	0.10	18.00		
			1	15.00	3.00	0.10	4.50		
	Basic Rate	2998.00					**22.50**	3177.88	**71502.00**
	Add Area Weightage 6%	179.88							
	Total	3177.88							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
4	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification.(P.140 /14.62PW, PW, P & IWTD,BENGALURU CIRCLE - SR 2018-19)	Sqm							
	For Walking Path Portion		2	30.00	3.00		180.00		
			1	15.00	3.00		45.00		
	Basic Rate	1232.00					**225.00**	1305.92	**293832.00**
	Add Area Weightage 6%	73.92							
	Total	1305.92							
5	5.29(b) Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, inculing cost of all materials, labour, hire charges of machinary, loading, unloading, lead and lift, transportion etc.,complete. (P.27/I.5.30 PW, P & IWTD,BENGALURU CIRCLE - SR 2018-19)	No.							
	For Walking Path Portion		4	30.00			120.00		
			2	15.00			30.00		
	Basic Rate	408.00					150.00		
	Add Area Weightage 6%	24.48					**333.33**		
	Total	432.48							
6	KSRB 15-19.1: Providing and applying ready mix priming coat over concrete/masonry/ asbestos cement sheet/plastered surfaces including preparing the surface after throughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. (P.124/I.15.80 PW, P & IWTD, BENGALURU CIRCLE - SR 2018-19)	Sqm				Say	**333**	432.48	**144016.00**
			4	45.00		0.30	**54.00**	39.22	**2118.00**
	Basic Rate	37.00							
	Add Area Weightage 6%	2.22							
	Total	39.22							
7	KSRB 15-19.2: Providing and applying spray painting in two coats (excluding priming coat) over concrete/ masonry /asbestos cement sheet/plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.(P.124/I.15.81 PW, P & IWTD, BENGALURU CIRCLE - SR 2018-19)	Sqm							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Qty Vide Item No. 6								
	Basic Rate	85.00					54.00	90.10	4865.00
	Add Area Weightage 6%	5.10							
	Total	90.10							
8	Disposal of debries to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 20 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 68.00 (P.140 PW, PW, P & IWTD,BENGALURU CIRCLE - SR 2018-19)	Cum							
	Qty Vide Item No.1								
	Lead Upto 20Kms	64.00					45.00	132.00	5940.00
	Loading & Unloading	68.00							
	Total	132.00							
9	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification. (P.42/I. 7.37 (P.45 / I.7.37 PW, P & IWTD, BENGALURU CIRCLE - SR 2018-19)	Sqm							
	For Gate Portion		1	3.00		2.00	6.00	3252.96	19518.00
	Basic Rate	3012.00							
	Add Area Weightage 8%	240.96							
	Total	3252.96							
	For Electrical Works								
10	KSRB 2-2.2: Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1 (b) / 2.3.5 (P.5/I.2.4 PW, P & IWTD,BENGALURU CIRCLE - SR 2018-19)	Cum							
	For Solar Street Light Poles		8	0.60	0.60	0.60	1.73	475.94	823.00
	Basic Rate	449.00							
	Add Area Weightage 6%	26.94							
	Total	475.94							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
11	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3PW, P & IWTD,BENGALURU CIRCLE - SR 2018-19)	Cum							
	For Solar Street Light Poles		8	0.60	0.60	0.15	**0.43**	5408.12	**2325.00**
	Basic Rate	5102.00							
	Add Area Weightage 6%	306.12							
	Total	5408.12							
12	Supply and erection of 14 Feet Height Street Light Pole on suitable cement concrete foundation with 2.5 Feet height cast iron decorative round pedestal as per design weighing not less than 37Kgs, the pedestal shall be fitted with Class 'C' G.I.Pipe 7 Feet height 75mm outer dia and 4 feet height top piece outer dia of 65mm fixed by measure of threading/ welding / coupling complete. (excluding foundation). (P.35/I.5.15 PWD ELE - SR 2014-15)	Each							
	For Solar Street Light Poles		8				**8**	16000.00	**128000.00**
13	KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6 PW,P &IWTD,BENGALURU CIRCLE - SR 2018-19)	Cum							
	For Solar Street Light Poles		8	0.60	0.60	1.20	**3.46**	5747.32	**19886.00**
	Basic Rate	5422.00							
	Add Area Weightage 6%	325.32							
	Total	5747.32							
14	Supplying and fixing of solar lux level street light control switch three phase including suitable capacity contactor (P.51/I.6.48.3 PWD ELE- SR 2014-15)	Each							
	12 KW		8				**8**	15730.00	**125840.00**
15	Extra for Fabrication supply and fixing of Stand fabricated using slotted angle/L angle of size 6mm x 50mm for mounting out door/indoor A.C. unit./ Batteries. (P.80/I.9.20 PWD ELE - SR 2014-15)	Each							
			8				**8**	2290.00	**18320.00**

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
16	Supplying surface mounted type mirror optic luminaries for single/Twin 28watts fluorescent lamps cross rising of stove enameled deep coloured M.S.low profile housing complete with all accessories and high purity anodized aluminum reflector assembling along with cross louvers including necessary fluorescent tubes with Energy Saving Electronic Ballast. (P.21/I.21.4.9.2 PWD ELE - SR 2014-15)	Each							
	2x4'-28Watts		8				8	4028.00	**32224.00**
17	Fixing charges of post top/ Gate/ Garden fitting /LED on the existing CI / GI or any other pipe using required size of reducer, wiring using suitable wires. (P.108/I.17.6 PWD ELE - SR 2014-15)	Each							
			8				8	176.00	**1408.00**
18	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. (P.6/I.2.5.5 PWD ELE - SR 2014-15)	Mtr.							
	6 sqmm		8	6.00			**48.00**	63.80	**3062.00**
19	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) (P.61/I.7.9 PWD,ELE -SR 2014-15)	Mtr							
	In soil (hard)		1	150.00			**150.00**	106.00	**15900.00**
20	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV. (P.62/I.7.12 PWD,ELE -SR 2014-15)	Mtr							
	40mm		1	150.00			**150.00**	345.00	**51750.00**
21	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. (P.55/I.7.4.4 PWD,ELE -SR 2014-15)	Mtr							
	4 core 16 sqmm		1	150.00			**150.00**	140.40	**21060.00**
22	Supplying and fixing Microprocessor based Electronic timer (without contactor, Din Mounting using necessary bolts, nuts and washers etc.,.) **3-120sec.**(P.51/I.6.45 PWD,ELE-SR 2014-15)	Each							
			4				**4**	2186.00	**8744.00**

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
					SUB - TOTAL AMOUNT RS.				1104693.00
23	G.S.T Charges (12%)								132563.16
24	PMC and Third Party Inspection Charges (1%)								11046.93
25	Miscellaneous,TenderPremium Charges and Unforeseen Charges	Ls							1696.91
					TOTAL AMOUNT RS.				1250000.00
(Rupees Twelve Lakh Fifty Thousand Only)									

CERTIFICATE :

1 The work spot has been inspected and found to be necessary.
2 The work spot comes under BBMP Limits.
3 The provisions made in the estimate are necessary and minimum.
4 The estimate is based on PWD ELE SR 2014-15 ,& PW, P & IWTD, BENGALURU CIRCLE - SR 2018 -19.

Assistant Engineer
Project

Assistant Executive Engineer
Project Division
Yelhanka Zone
BBMP Bangalore

Executive Engineer
Project Division
Yelhankha Zone
BBMP Bangalore
18/2/19

Administrative Approval

Accorded For RS. 12.50 Lakhs
Head of A/C P-3252
CER NO :20 Dt:18.02.19

TA CE (YNK)

Technical Sanction

Accorded For RS. 12.50 Lakhs
Head of A/C P-3292
CER NO :11 Dt:18/2/19

E.E. (Project) 19/2/19